

a plurality of inner supports between the outer skins, each of the inner supports having a plurality of collimated fibers infused with a thermosetting resin and bonded to the outer skins.

27. The structural component of claim 26, wherein at least some of the inner supports comprise fibers that are braided into a tubular configuration.

28. The structural component of claim 26, further comprising adhesive layers located between the inner supports and the outer skins.

29. A pre-cured structural component comprising:

a pair of outer skins, each formed from composite layers of fabric that include a layer of collimated fibers;

a plurality of removable mandrels located between the outer skins; and

a plurality of inner supports carried by the mandrels, each of the inner supports formed of composite layers of fabric that include a layer of collimated fibers, the inner supports having surfaces in contact with the outer skins to couple the outer skins together; and wherein

the structural component is adapted to be cured within a mold..

30. The structural component of claim 29 wherein the layers of the outer skins are unimpregnated with resin.

31. The structural component of claim 29 wherein at least one of the layers of the outer skins is unimpregnated with resin, and at least one of the layers of the outer skin is impregnated with resin.

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32. The structural component of claim 29 wherein at least one of the layers of the outer skins is unimpregnated with resin, at least one of the layers of the outer skin is fully impregnated with resin, and at least one of the layers of the outer skins is partially impregnated with resin.

33. The structural component of claim 29 wherein the layers of the outer skins are impregnated with resin.

34. The structural component of claim 29 wherein the outer skins are infused with a resin and at least partially cured, and wherein the component further comprises a layer of adhesive located between each of the inner supports and the outer skins.

35. The structural component of claim 29 wherein the layers of the outer skin are infused with cured resin, and the inner supports are infused with uncured resin.

36. A pre-cured structural component comprising:

a pair of outer skins, each formed from composite layers of fibers that include a plurality of collimated fibers;

a plurality of removable mandrels located between the outer skins;

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a plurality of composite socks enclosing each of the mandrels, each of the socks being braided into a tubular configuration and including a plurality of collimated fibers, the socks having surfaces in contact with the outer skins and with adjacent socks to couple the outer skins together; and wherein

the structural component is adapted to be cured within a mold.

37. The structural component of claim 36 wherein the layers of the outer skins are unimpregnated with resin.

38. The structural component of claim 36 wherein at least one of the layers of the outer skins is unimpregnated with resin, and at least one of the layers of the outer skin is impregnated with resin.

39. The structural component of claim 36 wherein at least one of the layers of the outer skins is unimpregnated with resin, at least one of the layers of the outer skin is fully impregnated with resin, and at least one of the layers of the outer skins is partially impregnated with resin.

40. The structural component of claim 36 wherein the layers of the outer skins are impregnated with resin.

41. The structural component of claim 36 wherein the layers of the outer skin are infused with a resin and at least partially cured, and wherein the component further comprises a layer of adhesive located between each of the socks and the outer skins.

42. The structural component of claim 36 wherein the layers of the outer skin are infused with resin and cured, and the socks are infused with uncured resin.

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